

JUN 28 2005

PTO/SB/21 (09-04)

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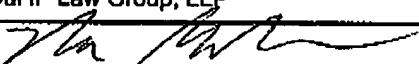
Total Number of Pages in This Submission

125

Application Number	10/044,244
Filing Date	01-11-2002
First Named Inventor	Alfano
Art Unit	2661
Examiner Name	McCray
Attorney Docket Number	I000-P02161US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD. Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
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**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	SoCal IP Law Group, LLP		
Signature			
Printed name	Mark Andrew Goldstein		
Date	06/28/2005	Reg. No.	50,759

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No. : 10/044,244 Confirmation No. 9409  
Applicant : Alfano  
Filed : 01-11-2002  
TC/A.U. : 2661  
Examiner : McCray  
Docket No. : I000-P02161US  
Customer No. : 33356

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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Dear Sir:

**General Matters**

<input checked="" type="checkbox"/>	Copies of the references listed on the attached form PTO/SB/08A are enclosed. Copies of US patents and patent applications are not enclosed.
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**This Information Disclosure Statement is being filed under:**

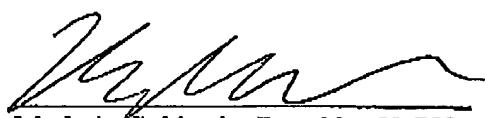
<input checked="" type="checkbox"/>	37 CFR 1.97(b)(3)	Before the mailing of a first Office action on the merits.
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Please apply any charges or credits to Deposit Account No. 503456.

Respectfully submitted,

Date: June 28, 2005



Mark A. Goldstein, Reg. No. 50,759

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By: \_\_\_\_\_  
Joseph Mellema

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PTO/8B/08A (08-03)

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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Sheet

1

of 13

Application Number	10/044,244
Filing Date	01-11-2002
First Named Inventor	Alfano
Art Unit	2661
Examiner Name	McCray

Attorney Docket Number I000-P02161US

## U. S. PATENT DOCUMENTS

Examiner Initials <sup>a</sup>	Cite No. <sup>b</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>c</sup> (If known)			
	US- 6,026,092	02-15-2000	Abu-Amara		
	US- 6,570,876-B1	05-27-2003	Aimoto		
	US- 2002/0165947-A1	11-17-2002	Ackerman		
	US- 2003/0035427-A1	02-03-2005	Alasti		
	US- 2002/0061022-A1	05-23-2002	Allen		
	US- 2002/0099855-A1	07-25-2002	Bass		
	US- 6,795,870-B1	09-21-2004	Bass		
	US- 4,394,725	07-19-1983	Bienvenu		
	US- 2002/0122386-A1	09-05-2002	Calvignac		
	US- 4,740,954	04-28-1988	Cotton		
	US- 5,982,749	11-19-1999	Daniel		
	US- 4,574,451	06-28-1988	Eng		
	US- 5,909,440	06-01-1999	Ferguson		
	US- 4,330,824	05-18-1982	Girard		
	US- 5,555,543	09-10-1996	Grohoski		
	US- 6,687,768-B2	02-01-2004	Horikomi		
	US- 5,550,823	08-27-1996	Irie		
	US- 5,845,145	12-01-1998	James		
	US- 5,898,689	04-17-1999	Kumar		

## FOREIGN PATENT DOCUMENTS

Examiner Initials <sup>a</sup>	Cite No. <sup>b</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>d</sup>
		Country Code <sup>c</sup> Number <sup>d</sup> Kind Code <sup>e</sup> (If known)				

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Sheet 2 of 3

Application Number	10/044,244
Filing Date	01-11-2002
First Named Inventor	Alfano
Art Unit	2661
Examiner Name	McCray
Attorney Docket Number	I000-P02161US

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 6,442,674-B1	08-27-2002	Lee	
		US- 5,923,893	07-13-1999	Moyer	
		US- 6,067,408	05-23-2000	Ronaldue	
		US- 5,905,911	05-01-1999	Shimizu	
		US- 6,493,347-B2	12-10-2002	Sindhu	
		US- 6389489-B1	05-14-2002	Stone	
		US- 5,860,085	01-12-1999	Stormon	
		US- 6,574,194-B1	06-03-2003	Sun	
		US- 2002/0054602-A1	06-09-2002	Takahashi	
		US- 6,172,927	01-09-2001	Taylor	
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

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Sheet

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of

3

Application Number	10/044,244
Filing Date	01-11-2002
First Named Inventor	Alfano
Art Unit	2661
Examiner Name	McCray

Attorney Docket Number 1000-P02161US

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		PETASWITCH SOLUTIONS, INC., The Pisces Chipset, Product Brief, 2001, <a href="http://www.peta-switch.com/products/product_brief.htm">http://www.peta-switch.com/products/product_brief.htm</a> .	
		PETASWITCH SOLUTIONS, INC., PetaSwitch Solutions Announces Raising \$4 Million in First Round Financing, Press Release, 2001, <a href="http://peta-switch.com/newsroom/press_releases.htm">http://peta-switch.com/newsroom/press_releases.htm</a> .	
		PETASWITCH SOLUTIONS, INC., Company Overview, 2001, <a href="http://www.peta-switch.com/markets/overview.htm">http://www.peta-switch.com/markets/overview.htm</a> .	
		GUPTA, Scheduling in Input Queued Switches: A Survey, June 1996, Department of Computer Science, Stanford University, California.	
		SCHOENEN, ET AL., Distributed Cell Scheduling Algorithms for Virtual-Output-Queued Switches, December 1999, pp. 1211-1215, Volume 1, GLOBECOM, IEEE Global Telecommunications Conference.	
		FAHMY, A Survey of ATM Switching Techniques, August 14, 2001, Department of Computer and Information Science, The Ohio State University.	
		STILIADIS, ET AL., Rate-Proportional Servers: A Design Methodology for Fair Queueing Algorithms, December 1995, Computer Engineering & Information Sciences, University of California, Santa Cruz.	
		STOICA, ET AL., Earliest Eligible Virtual Deadline First: A Flexible and Accurate Mechanism for Proportional Share Resource Allocation, Department of Computer Science, Old Dominion University, Norfolk, VA.	

Examiner Signature	Date Considered

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